The Structure of the Atom

Standard Atomic Notation

# of protons		
# of electrons		
# of neutrons		

The Bohr-Rutherford Model

Nucleus
- contains _____ and _____

Orbits
- _____ circle the nucleus in orbits
- each electron orbit has a definite or _____ amount of electrons.
- the first orbit has _____ electrons, the second orbit holds _____ electrons, and the third orbit holds no more than _____ electrons.

Helium Atom

How to draw Bohr-Rutherford Models

- Nucleus
    - use the atomic number to determine the protons
    - subtract the mass number and atomic number to determine the neutrons
- Draw in the energy levels
    - row # = # orbits
- Add electrons following the 2-8-8-2 pattern for the first 20 elements